

N.R.C. OPERATING DATA REPORT

DOCKET NO. 50-315
 DATE 2/1/88
 COMPLETED BY Michaelson
 TELEPHONE 616-465-5901

OPERATING STATUS

1. Unit Name D. C. Cook Unit 1 -----
 2. Reporting Period JAN 88 notes
 3. Licensed Thermal Power (MWt) 3250
 4. Name Plate Rating (Gross MWe) 1152
 5. Design Electrical Rating (Net MWe) 1030
 6. Maximum Dependable Capacity (GROSS MWe) 1056
 7. Maximum Dependable Capacity (Net MWe) 1020 -----
 8. If Changes Occur in Capacity Ratings (Items no. 3 through 7) Since Last Report Give Reasons _____

9. Power Level To Which Restricted. If Any (Net MWe) _____
 10. Reasons For Restrictions. If Any: _____

	This Mo.	Yr. to Date	Cumm.
11. Hours in Reporting Period	744.0	744.0	114696.0
12. No. of Hrs. Reactor Was Critical	723.8	723.8	82561.7
13. Reactor Reserve Shutdown Hours	0.0	0.0	463.0
14. Hours Generator on Line	717.5	717.5	80955.0
15. Unit Reserve Shutdown Hours	0.0	0.0	321.0
16. Gross Therm. Energy Gen. (MWH)	2076972	2076972	235075970
17. Gross Elect. Energy Gen. (MWH)	678300	678300	76822970
18. Net Elect. Energy Gen. (MWH)	652254	652254	73883252
19. Unit Service Factor	96.4	96.4	71.8
20. Unit Availability Factor	96.4	96.4	71.8
21. Unit Capacity Factor (MDC Net)	85.9	85.9	64.2
22. Unit Capacity Factor (DER Net)	85.1	85.1	62.1
23. Unit Forced Outage Rate	3.6	3.6	8.3

24. Shutdowns Scheduled over Next Six Months (Type, Date, and Duration):
Ice condenser surveillance outage to begin on April 2, 1988 for an estimated duration of 10 days.

25. If Shut Down At End of Report Period, Estimated Date of Startup: _____

26. Units in Test Status (Prior to Commercial Operation):

	Forecast	Achieved
INITIAL CRITICALITY		
INITIAL ELECTRICITY		
COMMERCIAL OPERATION		

TE-24
 1/1



AVERAGE DAILY POWER LEVEL (MWe-Net)

DOCKET NO. 50-315
UNIT ONE
DATE 2/1/88
COMPLETED BY Michaelson
TELEPHONE 616-465-5901

MONTH JAN 88

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
1	921	17	919
2	921	18	922
3	921	19	921
4	922	20	921
5	921	21	925
6	920	22	922
7	921	23	920
8	921	24	922
9	919	25	923
10	922	26	922
11	844	27	923
12	942	28	923
13	325	29	924
14	211	30	921
15	896	31	923
16	921		



UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-315
 UNIT NAME D.C. Cook Unit 1
 DATE 2-10-88
 COMPLETED BY Allan Puplis
 TELEPHONE 616-465-5901

REPORT MONTH January

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
266	880113	F	26.5	G	3	88-001	IA	CKTBRA	<p>A Reactor/Turbine trip occurred due to an operator error. The operator inadvertently tripped Reactor Trip Breaker "B" when he had been assigned to rack-in reactor trip By-Pass Breaker "B" for surveillance testing. Following a containment inspection and minor maintenance work the unit was returned to the 90% administrative power limit.</p> <p>Administrative controls have been established to ensure proper equipment configurations and adequate job briefings during surveillance testing. Procedural enhancement will be made to improve communication and component status verification.</p>

¹
 F: Forced
 S: Scheduled

²
 Reason:
 A-Equipment Failure (Explain)
 B-Maintenance or Test
 C-Refueling
 D-Regulatory Restriction
 E-Operator Training & License Examination
 F-Administrative
 G-Operational Error (Explain)
 H-Other (Explain)

³
 Method:
 1-Manual
 2-Manual Scram.
 3-Automatic Scram.
 4-Other (Explain)

⁴
 Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

⁵
 Exhibit I - Same Source



DOCKET NO: 50-315
UNIT NAME: D. C. Cook Unit 1
COMPLETED BY: A. S. Puplis
TELEPHONE: (616) 465-5901
DATE: February 5, 1988
PAGE: 1 of 1

MONTHLY OPERATING ACTIVITIES - JANUARY 1988

HIGHLIGHTS:

The reporting period began with the unit in Mode 1 at 90% power. On Jan. 11, 1988 an unplanned power reduction occurred when the No. 2 Turbine Control Valve drifted closed resulting in a decrease in generator output of 160 MWE. The control valve mode of operation was temporarily changed to "partial arc admission" with the No. 2 control remaining closed. Reactor power was restored to 90% approximately 13 hours later. The cause is still under investigation.

A reactor trip/turbine trip occurred during the reporting period due to personnel error. The reactor was returned to its administrative power limit approximately 45 hours later where it remained at the end of the month.

Gross electrical generation was 678,300 MWH for the month.

SUMMARY

01-11-88 At 1118, Main Turbine Control Valve #2 drifted closed over a 2 minute time period. Unit load dropped 160 MWE and reactor power stabilized at 78%. The control valve mode of operation was temporarily changed to "partial arc admission" with the No. 2 control remaining closed. At 2105 on 1-11-88 a power escalation to 90% was started. At 0025 on 1-12-88, the reactor was at 90% rated thermal power.

01-13-88 At 0821 a reactor trip/turbine trip was initiated when Reactor Trip Breaker "B" was locally opened. Personnel error was determined to be the cause for the opening of the breaker.

A reactor startup was commenced at 0355 on 1-14-88 with unit critical at 0434 and main generator paralleled at 1052. The unit reached the 90% administrative power level limit at 0451 on 1-15-88.



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UNIT NAME D. C. Cook - Unit No. 1
DATE February 5, 1988
COMPLETED BY A. S. Puplis
TELEPHONE (616) 465-5901
PAGE 1 of 1

MAJOR SAFETY-RELATED MAINTENANCE

JANUARY 1988

I&C #1 724467--During performance of 1 THP 6030 IMP.315, the reactor vessel level indication system calibration, a power supply 1TY-1326A had been found failed without any output.

Replaced defective power supply card with new power supply card and performed 1 THP 6030 IMP.315.

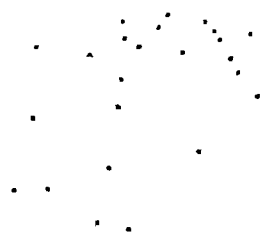
M-1 Some worn parts were found on 1-IM0-252 (Safety Injection Pump J.O. 2329 mini-flow to refueling water storage tank train 'A' shutoff valve) during routine testing. The gear case, torque switch, worm gear, limit switch cartridge and gear limit drive hypoid gear were replaced. The valve tested satisfactorily.

I&C #2 731635--Spurious closing of the #2 control valve.

Found Abex servo valve to be defective. Replaced defective Abex servo valve with new Abex servo valve and test valve operation by shell warming valve open to 25%.

I&C #3 730238--Replaced operational selector switch 303 for power range channel N-43. When operating switch from A+B to the B position the switch is very noisy.

Replaced defective switch with new switch. Performed partial 1 THP 6030 IMP.131 and performed 1 THP 4030 STP.029 to declare channel operable.



AVERAGE DAILY POWER LEVEL (MWe-Net)

DOCKET NO. 50-315
UNIT ONE
DATE 1/6/88
COMPLETED BY Michaelson
TELEPHONE 616-465-5901

MONTH

DEC87

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
1	922	17	922
2	920	18	922
3	922	19	922
4	921	20	921
5	923	21	921
6	921	22	921
7	923	23	921
8	923	24	900
9	924	25	545
10	923	26	524
11	922	27	531
12	921	28	887
13	923	29	924
14	922	30	921
15	921	31	922
16	922		